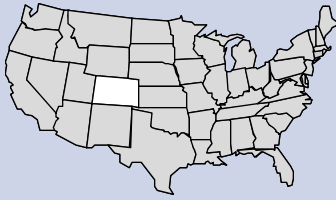


Economic Investments in Colorado



Office of Building Technology, State and Community Programs (BTS)

BTS works with partners in the private and non-profit sectors and in state and local governments to make the nation's residential and commercial building stock more energy-efficient, comfortable, affordable, and sustainable.

The mission of DOE's Office of Energy Efficiency and Renewable Energy is to promote a strong economy, cleaner environment, and more secure future through the development and deployment of energy efficient and renewable energy technologies.

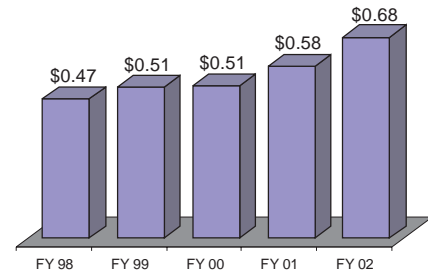


BTS invested a total of \$46.4 million in Colorado in Fiscal Years 2001 and 2002



The **Colorado Office of Energy Conservation in Denver**, through the State Energy Program (SEP), received \$581,000 in FY 2001 and \$683,000 in FY 2002 for a variety of activities including implementation of the State Energy Plan, improving State Building Energy Codes, and providing public education and awareness efforts (e.g., hotlines, publications, and training).

Colorado State Energy Program
(millions of dollars)



The **National Renewable Energy Laboratory (NREL)** in **Golden** received \$22.7 million in FYs 2001 and 2002 to support building efficiency. For example, NREL:

- Conducts research, testing, and evaluation of electrochromic devices for advanced window technologies;
- Assists industry in developing and accelerating penetration of desiccant cooling technology into a broader commercial market;
- Develops, as part of a collaborative with industry, advanced design tool software for passive solar applications; and
- Develops homebuilder training programs in cooperation with the National Association of Home Builders Research Center.

Of the above sum, \$500,000 was used to provide technical support for the Building America Program (the BTS flagship activity for residential buildings which emphasizes a system engineered whole-building approach).



The **Colorado Office of Energy Conservation in Denver** received \$202,000 from the Rebuild America program through a three-year cooperative agreement in 1998 structured to facilitate performance contracting in the state.



Jefferson County Public Schools, Poudre School District, Rebuild Colorado, Rebuild Denver: A Sustainability Initiative, and Southwest Community Resources received technical assistance from the Rebuild America program valued at a combined total of \$100,000 in FY 2002. This program accelerates energy efficiency improvements in existing commercial, institutional and multifamily residential buildings through private-public partnerships created at the community level. It also assists with business planning, technical product development, marketing, workshops, and training for its partners.

Economic Investments in Colorado



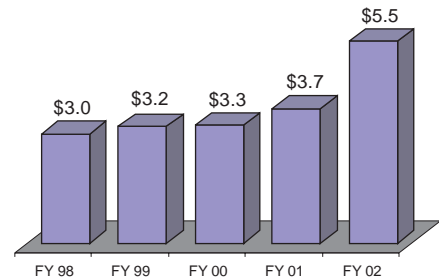
Office of Building Technology, State and Community Programs (BTS)

America's buildings — our homes, workplaces, and institutional buildings — consume roughly \$230 billion worth of energy each year. The average family spends about \$1,300 on home energy. Energy for buildings has environmental as well as economic implications: its production, distribution, and use affect our environment and health through the emission of carbon dioxide, sulfur dioxide and nitrogen oxides.



The **Weatherization Assistance Program**, through 8 local service providers (e.g., community action agencies) is working to increase energy efficiency and reduce the burden of energy costs to low-income Colorado residents, especially households with elderly members, individuals with disabilities, and families with children. In FY 2001, Federal funding combined with leveraged state and local resources resulted in the weatherization of approximately 3,848 homes. In FY 2002, Colorado was allocated \$5,548,524 in weatherization funding.

Colorado Weatherization
(millions of dollars)



J. Neymark of **Golden** received \$70,000 in FY 2002 to support development of industry standards for testing and validating building energy simulation programs.



As part of the Building America program, the **Stapleton Project of Denver**, with construction by **John Laing Homes** received technical assistance in FY 2002 valued at \$10,000 through the Integrated Building and Construction Solutions (IBACOS) consortium. **McStain Homes**, with projects in **Loveland, Lafayette** and **Longmont**, and **Wonderland Custom Builders** of **Broomfield** received technical assistance in FY 2002 valued at \$40,000 through the Consortium for Advanced Residential Buildings (CARB). **Continental Homes** and **Centrex Homes** of **Denver** received technical assistance valued at \$40,000 in FY 2002 through the Building Science Consortium (BSC). **Tierra Concrete Homes, Habitat for Humanity** of **Denver** and the **Otto Van Geet** residence received technical assistance valued at \$30,000 in FY 2002 through the National Renewable Energy Laboratory (NREL). These projects have a planned buildout of 5,047 houses. Building America is an industry-driven program helping to stimulate major changes in how residential buildings are designed, built, and delivered to the consumer. The program applies systems engineering in order to accelerate the adoption of building processes and technical innovations, which result in energy efficient, environmentally sensitive, affordable, and adaptable residences on a community-wide scale.